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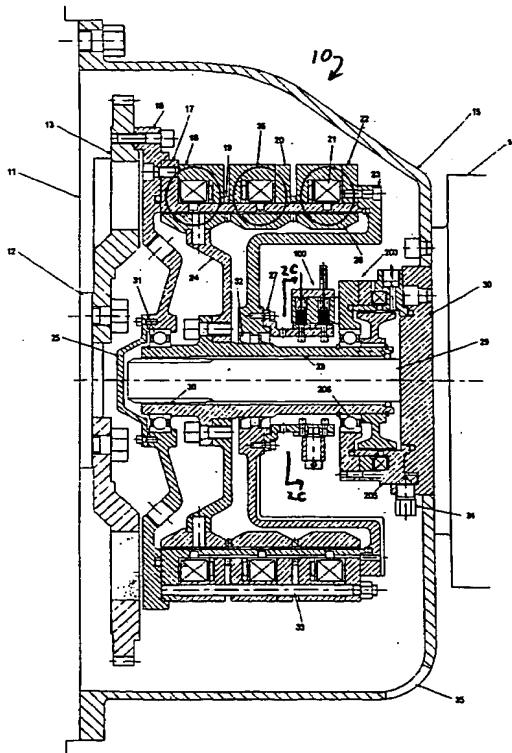
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(54) Title: **POWERTRAIN CLUTCH**



(57) Abstract: A powertrain clutch for transferring power from an output shaft of an engine to an input shaft of a manual transmission includes a housing and an electrically controlled clutch between the input shaft and the output shaft for selectively coupling and uncoupling the output shaft and the input shaft. The clutching arrangement further includes a clutch disposed between the input shaft and the output shaft for synchronizing a speed of the input shaft with a speed of the output shaft.



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